

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1-16 (canceled).

Claim 17 (new)" A method for encoding an XML-based document including contents according to an XML schema language definition, said method comprising the steps of:

generating a coded binary representation of the document by assigning binary structure codes to the contents of the document via code tables,

assigning structure codes to textual contents of a complex type data type with a mixed content model.

Claim 18 (new): The method according to claim 17, wherein the assignment of the structure codes to the textual contents of a complex type data type with mixed content model is effected exclusively via OperandTBC coding tables.

Claim 19 (new): The method according to claim 17, wherein the textual contents of a complex type data type with the mixed content model are further assigned position codes.

Claim 20 (new): The method according to claim 19, wherein single element position codes and/or multiple element position codes are used in the assignment of the position codes.

Claim 21 (new): The method according to claim 19, wherein the position codes are encoded using codes of variable length.

Claim 22 (new): The method according to claim 21, wherein the position codes are encoded using the code vluimsbf5.

Claim 23 (new): A method for decoding a binary representation of an XML document, comprising:

receiving a coded binary representation of the document by assigning binary structure codes to the contents of the document via code tables;

assigning structure codes to textual contents of a complex-type data type with a mixed content model; and

converting the assigned structure codes into the textual contents of the XML-based document that were assigned to the structure codes.

Claim 24 (new): The method as claimed in claim 23, wherein the assignment is effected by means of structure codes (SBC) via OperandTBC coding tables.

Claim 25 (new): The method as claimed in claim 23 wherein binary representations of textual contents of a “complex type” data type with the “mixed” content model, addressed by means of “position codes”, are further converted into textual contents at the assigned position.

Claim 26 (new): The method as claimed in claim 25, wherein the “position codes” comprise “single element position codes” (SPC) and/or “multiple element position codes” (MPC).

Claim 27 (new): The method as claimed in claim 25, wherein the “position codes” are encoded using codes of variable length.

Claim 28 (new): The method as claimed in claim 27, wherein the “position codes” are encoded using the code vluimsbf5.

Claim 29 (new): A device for encoding XML-based documents including contents according to an XML schema language definition, comprising:
means for generating a coded binary representation of the document by assigning binary structure codes to the contents of the document via code tables;
means for assigning structure codes to textual contents of a complex-type data type with a mixed content model.

Claim 30 (new): A device for decoding XML-based documents including contents according to an XML schema language definition, comprising:

- means for generating a coded binary representation of the document by assigning binary structure codes to the contents of the document via code tables;
- means for assigning structure codes to textual contents of a complex-type data type with a mixed content model; and
- means for converting the assigned structure codes into the textual contents of the XML-based document that were assigned to the structure codes.